

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Atty. Docket

CORNELIS A.M. JASPERS

NL 010063

Serial No.

Filed: CONCURRENTLY

PREVENTING GREEN NON-UNIFORMITY IN IMAGE SENSORS

Commissioner for Patents

Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Prior to calculation of the filing fee and examination, please amend the above-identified application as follows:

IN THE CLAIMS

Please amend the claims as follows:

3. A contour filter according to claim 1, wherein said sub array has an odd number of rows and columns and said pre-determined position of said pixel to be filtered is in the center of said sub array.
4. A contour filter according to claim 1, further comprising means for performing an interpolation of missing color pixels in parallel with the filtering.
5. A contour filter according to claim 1, further comprising means for matching noise of two separate filters comprising each of the first and second filter coefficients.

7. A contour filter according to claim 1, wherein:
the first group of pixels consists of every second pixel in each row and column of the array of pixel values,
and
the first and second filter arrays are combined to a single filter array where:
- the first and second arrays have the same dimensions,
 - for each position of the first and second arrays, apart from the predetermined position, at least one of the first and second array has a filter coefficient being at least substantially zero,
 - the single array having dimensions equal to those of the first and second arrays, and
 - the filter coefficient of each position of the single array being the sum of the corresponding coefficients of the first and second arrays.

11. A computer program comprising computer program code means adapted to perform all the steps of claim 9 when said program is run on a computer.

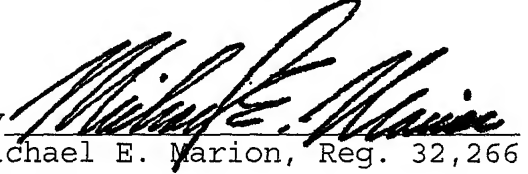
REMARKS

The foregoing amendments to claims 3-5, 7 and 11 were made solely to avoid filing the claims in the multiple dependent form so as to avoid the additional filing fee.

The claims were not amended in order to address issues of patentability and Applicant respectfully reserves all rights he may have under the Doctrine of Equivalents.

Applicant furthermore reserves his right to reintroduce
subject matter deleted herein at a later time during the
prosecution of this application or continuing applications.

Respectfully submitted,

By 
Michael E. Marion, Reg. 32,266
Attorney
(914) 333-9641

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APPENDIX

3. A contour filter according to claim 1-~~or~~2, wherein said sub array has an odd number of rows and columns and said pre-determined position of said pixel to be filtered is in the center of said sub array.

4. A contour filter according to claim 1-~~or~~2, further comprising means for performing an interpolation of missing color pixels in parallel with the filtering.

5. A contour filter according to claim 1-~~or~~2, further comprising means for matching noise of two separate filters comprising each of the first and second filter coefficients.

7. A contour filter according to claim 1-~~or~~2, wherein:

the first group of pixels consists of every second pixel in each row and column of the array of pixel values, and

the first and second filter arrays are combined to a single filter array where:

- the first and second arrays have the same dimensions,
- for each position of the first and second arrays, apart from the predetermined position, at least one of the first and second array has a filter coefficient being at least substantially zero,
- the single array having dimensions equal to those of the first and second arrays, and
- the filter coefficient of each position of the single array being the sum of the corresponding coefficients of the first and second arrays.

11. A computer program comprising computer program code means adapted to perform all the steps of claim 9 ~~or 10~~ when said program is run on a computer.

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